

Appl. No. 09/994,741
Amdt. dated 1/9/06
Reply to Office action of October 19, 2005

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A process for producing brochures without a supply of pre-formed looped binding elements, the process comprising the steps of:

~~inserting a looped binding element into~~ providing a plurality of superposed sheet-like material having perforations along an edge of a plurality of superposed sheet like material; and

determining at least one production parameter with an electronic control device;

~~forming said looped a binding element immediately before the inserting step to eliminate pre formed looped binding element supply;~~ by forming a plurality of loops in a row extending across a width of a brochure;

~~determining at least one production parameter with an electronic control device; and~~

~~forming a plurality of loops in the looped~~ inserting said

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looped binding element in a row that extends across a width of a brochure, and into said perforations immediately after producing said looped binding element by inserting the all of said loops into the said perforations at the same time.

Claim 2 (previously presented) The process of claim 1, further comprising tailoring said looped binding element to complement said perforations.

Claim 3 (previously presented) The process of claims 1, further comprising forming a crimp in a loop of said looped binding element.

Claim 4 (previously presented) The process of claim 1 further comprising forming a series of crimps in said looped binding element.

Claim 5 (previously presented) The process of claim 1 further comprising forming several loops in said looped binding element, and forming a plurality of crimps in said looped binding element, loop by loop, with a single bending die.

Claim 6 (currently amended) The process of ~~claims~~ claim 1 wherein said looped binding element comprises a single element corresponding to a width of a brochure.

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Claims 7-8 (cancelled).

Claim 9 (previously presented) The process of claim 1,
wherein said looped binding element is formed from wire and
said at least one production parameter is brochure thickness,
wire diameter, wire length, or perforation spacing.

Claim 10 (original) A process for producing brochures using
wire binding, comprising:

- a) determining a thickness of a brochure to be produced and
storing said thickness in an electronic device;
- b) producing a binding element corresponding to said
thickness by
 - feeding a wire from at least one wire supply
containing a wire spool to a wire bending device via a
conveyor,
 - bending said wire into a flat, multiple looped binding
element,
 - cutting said binding element and conveying it to an
insertion device;
- c) supplying sheet-like material to said insertion device,

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said material having perforations;

d) inserting said binding element into said perforations;
and,

(e) bending said binding element into a ring-like binding.

Claim 11 (original) The process of claim 10, further comprising tailoring said binding element to complement said perforations.

Claim 12 (original) The process of claims 10 further comprising forming a crimp in a loop.

Claim 13 (original) The process of claim 10 further comprising forming a series of crimps in said binding element.

Claim 14 (original) The process of claim 10 further comprising forming a plurality of loops in said binding element and forming a plurality of crimps in said binding element, loop by loop, with a single bending die.

Claim 15 (original) The process of claims 10 wherein said binding element comprises a single element corresponding to a

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width of said brochure.

Claim 16 (original) The process of claims 10 further comprising forming several loops in said binding element in a row that extends across a width of said brochure, and inserting said loops into said perforations at the same time.

Claim 17 (original) The process of claim 10, further comprising determining production parameters with an electronic control device.

Claim 18 (original) The process of claim 17, further comprising producing said binding element according to one or more production parameters in addition to thickness.

Claim 19 (original) The process of claim 18, wherein at least one of said production parameters is wire diameter, wire length, or perforation spacing.

Claim 20 (original) A process for producing brochures using wire binding, comprising:

a) determining a thickness of a brochure to be produced and storing said thickness in an electronic device;

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b) producing a binding element corresponding to said thickness by

- feeding a wire from at least one wire supply containing a wire spool to a wire bending device via a conveyor,
- bending said wire into a flat, multiple looped binding element,
- cutting said binding element and conveying it to an insertion device;

c) supplying sheet-like material to said insertion device, said material having perforations;

d) inserting said binding element into said perforations immediately after producing said binding element; and,

e) bending said binding element into a ring-like binding.

Claim 21 (previously presented) A process for producing brochures, comprising:

inserting a looped binding element into perforations along an edge of a plurality of superposed sheet-like materials; and

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forming said looped binding element immediately before the
inserting step to eliminate pre-formed looped binding element
supply; and

forming a plurality of loops in said looped binding element
in a row extending across a width of a brochure, and
inserting said loops into said perforations at the same time.